

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-1981, 1990, November 1992 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1993 to September 1994 (discontinued).

WATER TEMPERATURE: May 1993 to September 1994, May to September 1996 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 434 microsiemens/cm Sept. 23, 1993; minimum daily mean, 146 microsiemens/cm May 28, 1993.

WATER TEMPERATURE: Maximum, 22.5 °C July 24-25, 31, Aug. 1-5, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 21.0 °C July 26-27, 31, Aug. 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 17...	1100	763	314	8.2	8.0	7.5	4.5	10.4	105	K3	62
MAY 28...	1245	2910	198	8.2	13.5	9.5	6.4	8.9	94	55	79
JUN 28...	1205	2680	238	8.3	20.5	13.0	2.0	10.3	117	40	80
JUL 23...	1107	1120	280	8.3	26.0	17.5	1.5	9.7	121	44	K23
AUG 28...	1235	772	262	8.2	21.0	16.0	0.8	7.9	96	82	120
SEP 25...	1020	814	287	8.2	15.0	9.5	0.4	9.1	95	K11	K24
		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH FET FIELD (MG/L AS HCO3 (00440)	CAR- BONATE WATER WH FET FIELD (MG/L AS CO3 (00445)	ALKA- LINITY WAT WH TOT FET FIELD (MG/L AS CACO3 (00410)	
SEP 25...	130		35	11	8.2	12	1.6	170		0	141
		SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)		
SEP 25...	6.6		4.7	1.0	21	172	176	0.23		378	
		NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHOPHOS- PHORUS DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDE (T/DAY) (80155)		
APR 17...		<0.01	0.48	0.020	0.3	0.04		0.01	17	35	
MAY 28...		<0.01	0.27	0.020	<0.2	0.03		0.02	28	220	
JUN 28...		<0.01	0.18	<0.015	<0.2	<0.01		<0.01	10	72	
JUL 23...		0.01	0.32	0.050	<0.2	<0.01		<0.01	5	15	
AUG 28...		<0.01	0.41	0.020	<0.2	<0.01		<0.01	4	8.3	
SEP 25...		0.02	0.57	<0.015	<0.2	<0.01		<0.01	1	2.2	

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
APRIL			MAY			JUNE			
1	---	---	---	---	---	---	11.6	8.9	10.2
2	---	---	---	---	---	---	12.7	9.7	11.1
3	---	---	---	---	---	---	13.3	10.7	11.9
4	---	---	---	---	---	---	13.8	11.3	12.3
5	---	---	---	---	---	---	13.0	10.9	11.9
6	---	---	---	---	---	---	12.4	10.6	11.3
7	---	---	---	---	---	---	13.2	10.4	11.8
8	---	---	---	---	---	---	14.7	11.6	13.1
9	---	---	---	---	---	---	14.4	12.6	13.4
10	---	---	---	---	---	---	14.3	12.3	13.1
11	---	---	---	---	---	---	14.4	12.2	13.3
12	---	---	---	---	---	---	14.6	12.4	13.4
13	---	---	---	---	---	---	15.1	12.6	13.8
14	---	---	---	---	---	---	15.4	13.0	14.0
15	---	---	---	---	---	---	15.5	12.9	14.0
16	---	---	---	---	---	---	14.7	13.0	13.7
17	---	---	---	---	---	---	15.5	12.9	14.1
18	---	---	---	---	---	---	14.6	12.1	13.5
19	---	---	---	---	---	---	13.3	10.9	12.0
20	---	---	---	---	---	---	14.0	10.6	12.0
21	---	---	---	---	---	---	14.3	11.5	12.8
22	---	---	---	---	---	---	14.1	12.1	13.0
23	---	---	---	---	---	---	14.6	12.2	13.2
24	---	---	---	---	---	---	14.3	11.6	12.9
25	---	---	---	---	---	---	15.7	12.7	14.1
26	---	---	---	---	---	---	15.4	13.5	14.3
27	---	---	---	---	---	---	14.4	12.8	13.5
28	---	---	---	14.6	12.4	13.2	---	---	---
29	---	---	---	9.7	7.8	8.7	14.0	11.6	12.7
30	---	---	---	9.5	7.5	8.5	15.5	11.8	13.6
31	---	---	---	10.9	8.6	9.6	---	---	---
MONTH	---	---	---	---	---	---	15.7	8.9	12.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JULY			AUGUST			SEPTEMBER			
1	16.6	13.6	15.1	21.0	17.0	19.0	17.9	14.6	16.4
2	17.8	14.3	15.8	20.2	17.0	18.7	17.0	13.8	15.7
3	17.1	14.9	15.9	18.3	16.2	17.3	16.6	13.5	15.3
4	17.4	14.7	16.1	17.6	14.7	16.1	16.6	13.3	15.3
5	17.8	15.4	16.4	16.2	13.6	15.1	15.7	13.5	14.6
6	17.4	14.7	16.0	17.1	13.5	15.3	15.4	11.8	13.7
7	17.0	14.6	15.7	17.8	13.3	15.6	15.2	11.8	13.7
8	17.4	14.6	15.9	18.7	14.0	16.4	15.4	11.8	13.7
9	18.2	15.4	16.5	19.4	14.9	17.1	15.8	12.1	14.1
10	18.9	15.8	17.0	19.9	15.4	17.7	16.3	12.6	14.6
11	18.6	15.5	16.9	20.2	15.7	18.1	15.5	13.8	14.7
12	19.2	15.7	17.2	20.0	16.3	18.3	17.3	13.8	15.5
13	---	---	---	19.7	16.6	18.3	17.1	14.4	15.9
14	---	---	---	19.7	16.6	18.1	16.1	14.3	15.2
15	---	---	---	20.5	16.5	18.5	15.2	13.0	14.3
16	---	---	---	20.5	16.5	18.6	14.2	11.8	12.6
17	---	---	---	19.5	16.6	18.3	12.6	10.9	11.6
18	---	---	---	18.4	16.2	17.4	11.6	9.5	10.6
19	---	---	---	18.2	14.6	16.5	11.8	9.5	10.6
20	---	---	---	17.8	14.4	16.3	11.9	9.4	10.6
21	---	---	---	17.9	14.1	16.1	11.9	9.8	11.0
22	---	---	---	17.9	13.8	16.0	11.8	10.2	11.0
23	---	---	---	18.1	13.8	16.1	11.6	8.7	10.4
24	20.2	16.8	18.6	18.4	14.1	16.4	11.0	8.7	10.2
25	20.8	17.1	18.9	18.1	14.6	16.5	---	---	---
26	21.0	17.1	19.1	18.6	14.6	16.7	---	---	---
27	21.0	17.1	19.2	18.4	15.5	17.0	---	---	---
28	20.5	17.8	19.2	18.6	15.5	17.1	---	---	---
29	19.7	17.6	18.5	18.7	15.2	17.1	---	---	---
30	20.5	17.1	18.8	19.1	15.4	17.3	---	---	---
31	21.0	17.1	18.9	18.6	15.2	17.0	---	---	---
MONTH	---	---	---	21.0	13.3	17.1	---	---	---

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-1981, October 1989 to September 1990, November 1992 to September 1996 (discontinued).

COLLECTION METHODS.--Composite of 5, 0.25 m² samples. Richest targeted habitat--riffles, whole sample.

MESH SIZE.--425 um.

AVERAGE DEPTH.--0.19 m.

AVERAGE PERCENT SHADING.--26.

AVERAGE VELOCITY.--0.70 m/s.

SUBSTRATE EMBEDDEDNESS CLASS RANGE.--4-5.

PERCENT FINES RANGE.--0.

HABITAT QUALITY INDEX.--79.

REMARKS.--Heavy periphyton growth, riffles common.

BIOLOGICAL DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM TAXOM	DATE SEP. 11	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	FUNC- TIONAL FEEDING GROUP	POLLU- TION TOLER- ANCE VALUE
GENUS SPECIES					
NON-INSECTS					
Turbellaria		100	0.38	CG	4
Oligochaeta		500	1.89	CG	5
Sphaeriidae		150	0.57	CG	8
Fluminicola		1880	7.12	SC	8
Pyrgulopsis		20	0.08	SC	8
Stagnicola coperata		150	0.57	CG	6
Radix Auriculata		50	0.19	CG	6
Valvata humeralis		100	0.38	SC	6
Hyalella azteca		50	0.19	CG	8
Acari		500	1.89	PA	5
EPHEMEROPTERA					
Acentrella turbida		400	1.52	CG	4
Baetis tricaudatus		5100	19.32	CG	6
Ephemerella inermis/infrequens		1400	5.3	CG	1
Rhithrogena		400	1.52	SC	0
Paraleptophlebia		100	0.38	CG	4
PLECOPTERA					
Claassenia sabulosa		50	0.19	PR	3
Hesperoperla pacifica		50	0.19	PR	2
Isoperla		850	3.22	PR	2
Skwala		50	0.19	PR	2
Pteronarcys californica		50	0.19	OM	1
TRICHOPTERA					
Brachycentrus occidentalis		150	0.57	OM	1
Protophila		50	0.19	SC	1
Hydropsyche		6150	23.3	CF	4
LEPIDOPTERA					
Petrophila		1100	4.17	SC	5
COLEOPTERA					
Optioservus		800	3.03	SC	4
Zaitzevia		1250	4.73	CG	4
DIPTERA					
Atherix		200	0.76	PR	4
Simulium		1300	4.92	CF	6
CHIRONOMIDAE					
Chironomidae-pupae		450	1.7	UN	6
Cardiocladius		450	1.7	PR	5
Cricotopus		1100	4.17	CG	7
Cricotopus Bicinctus Gr.		150	0.57	CG	7
Cricotopus Trifascia Gr.		500	1.89	CG	6
Dicrotendipes		50	0.19	CG	8
Eukiefferiella		250	0.95	OM	8
Orthocladius Complex		350	1.33	CG	6
Tanytarsus		50	0.19	CF	6
Thienemannimyia Gr.		50	0.19	PR	6
Tvetenia		50	0.19	CG	5
SUMMARY					
TOTAL NUMBER OF TAXA	37			EPT ABUNDANCE	14800/m ²
TOTAL NUMBER OF ORGANISMS	26400/m ²			NUMBER EPT TAXA	13
HILSENHOFF BIOTIC INDEX	4.90			SHANNON DIVERSITY INDEX (H)	3.92

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

COLLECTION METHODS.--Qualitative multiple habitat, relative abundance, whole sample.

MESH SIZE.--210 um.

GEAR TYPE.--D-frame net and visual collections.

REACH LENGTH.-- NA.

AVERAGE WIDTH.--50 m e.

HABITAT QUALITY INDEX.--79.

REMARKS.--Heavy periphyton growth, riffles common.

BIOLOGICAL DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
BENTHIC INVERTEBRATE COLLECTION DATA

ORGANISM TAXON	DATE	NUMBER OF INDIV- IDUALS	PERCENT COMPO- SITION	FUNC- TIONAL FEEDING GROUP	POLLU- TION TOLER- ANCE VALUE
GENUS SPECIES	SEP. 11				
NON-INSECTS					
Oligochaeta		1120	10.94	CG	5
<i>Helobdella stagnalis</i>		100	0.98	PR	6
Sphaeriidae		200	1.95	CG	8
<i>Fluminicola</i>		580	5.66	SC	8
<i>Stagnicola cooperata</i>		900	8.79	CG	6
<i>Radix auricularia</i>		680	6.64	CG	6
<i>Physella integra</i>		860	8.4	CG	8
<i>Planorbella subcrenata</i>		20	0.2	SC	6
Cladocera		60	0.59	CF	8
Copepoda		40	0.39	CG	8
Ostracoda		40	0.39	CG	8
<i>Hyalella azteca</i>		140	1.37	CG	8
Acari		180	1.76	PA	5
EPHEMEROPTERA					
Baetidae		320	3.13	CG	4
<i>Acentrella turbida</i>		60	0.59	CG	4
<i>Baetis tricaudatus</i>		640	6.25	CG	6
<i>Callibaetis</i>		60	0.59	CG	9
<i>Diphetor hageni</i>		140	1.37	CG	5
<i>Ephemerella inermis/infrequens</i>		80	0.78	CG	1
<i>Heptagenia</i>		80	0.2	SC	4
<i>Rhithrogena</i>		120	1.17	SC	0
<i>Paraleptophlebia</i>		120	1.17	CG	4
<i>Tricorythodes minutus</i>		120	1.17	CG	4
PLECOPTERA					
<i>Isoperla</i>		100	0.98	PR	2
TRICHOPTERA					
<i>Helicopsyche borealis</i>		40	0.39	SC	3
<i>Hydropsyche</i>		940	9.18	CF	4
<i>Oecetis</i>		20	0.2	OM	8
LEPIDOPTERA					
<i>Petrophila</i>		80	0.78	SC	5
COLEOPTERA					
<i>Optioservus</i>		320	3.13	SC	4
<i>Zaitzevia</i>		340	3.32	CG	4
DIPTERA					
<i>Atherix</i>		80	0.78	PR	4
<i>Hemerodromia</i>		20	0.2	PR	6
Simuliidae		180	1.76	CF	6
CHIRONOMIDAE					
Chironomidae-pupae		40	0.39	UN	6
<i>Cardiocladius</i>		160	1.56	PR	5
<i>Corynoneura</i>		80	0.78	CG	7
<i>Cricotopus</i>		180	1.76	CG	7
<i>Cricotopus Bicinctus Gr.</i>		60	0.59	CG	7
<i>Cricotopus Trifascia Gr.</i>		80	0.78	CG	6
<i>Dicrotendipes</i>		40	0.39	CG	8
<i>Eukiefferiella</i>		40	0.39	OM	8
<i>Microtendipes</i>		40	0.39	CG	6
<i>Nanocladius</i>		20	0.2	CG	3
<i>Paraphaenocladius</i>		20	0.2	CG	4
<i>Polypedilum</i>		60	0.59	OM	6
<i>Procladius</i>		20	0.2	CG	9
<i>Synorthocladius</i>		160	1.56	CG	2
<i>Tanytarsus</i>		60	0.59	CF	6
<i>Thienemanniella</i>		400	3.91	CG	6
<i>Thienemannimyia Gr.</i>		40	0.39	PR	6
<i>Tvetenia</i>		20	0.2	CG	5
TOTAL NUMBER OF TAXA	48			EPT ABUNDANCE	2445
TOTAL NUMBER OF ORGANISMS	7920			NUMBER EPT TAXA	18
HILSENHOFF BIOTIC INDEX	4.81			SHANNON DIVERSITY INDEX (H)	4.58
e Estimated					

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-1981, October 1989 to September 1990, November 1992 to September 1996, April 1999 to October 1999 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1993 to September 1994 (discontinued).

WATER TEMPERATURE: May 1993 to September 1994, May to September 1996, May to September 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 434 microsiemens/cm Sept. 23, 1993; minimum daily mean, 146 microsiemens/cm May 28, 1993.

WATER TEMPERATURE: Maximum, 22.5 °C July 24-25, 31, Aug. 1-5, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.5 °C July 29-30.

WATER-QUALITY DATA, APRIL 1999 to OCTOBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR 22...	1508	865	282	8.7	9.0	7.1	6.6	11.5	115	K15	K20
MAY 26...	1422	3570	145	8.3	23.0	11.5	28	9.0	98	98	130
JUN 29...	1155	2240	239	8.6	20.0	12.9	4.2	9.2	104	K9	K5
AUG 03...	1225	886	277	8.5	29.2	18.3	1.0	8.1	102	22	27
SEP 27...	1248	640	304	8.6	8.2	10.1	.78	9.6	103	K6	K6
OCT 08...	1400	620	320	8.7	14.2	8.7	.70	10.0	102	K7	K3

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)
SEP 27...	140	37	12	7.8	10	1.5	170	5

DATE	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)
SEP 27...	145	6.9	4.1	.76	19	179	.24	310

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR 22...	<.010	.063	.021	.27	E.041	.012	11	26
MAY 26...	<.010	.213	.043	.51	.118	.018	57	549
JUN 29...	<.010	.217	<.020	.22	<.050	.015	10	60
AUG 03...	<.010	.421	<.020	.26	E.037	<.010	7	17
SEP 27...	<.010	.598	<.020	.11	<.050	<.010	2	3.5
OCT 08...	<.010	.671	<.020	E.10	<.050	<.010	1	1.7

E Positive detection, but below stated detection limit.
K Results based on counts outside ideal colony range.

HENRYS FORK BASIN
13055000 TETON RIVER NEAR ST ANTHONY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

	DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	
	APRIL			MAY				
	1	---	---	---	9.8	8.8	9.1	
	2	---	---	---	8.8	7.6	8.3	
	3	---	---	---	7.9	6.5	7.3	
	4	---	---	---	6.8	5.6	6.3	
	5	---	---	---	6.8	5.1	5.9	
	6	---	---	---	8.8	5.4	6.9	
	7	---	---	---	10.1	7.0	8.5	
	8	---	---	---	11.8	8.1	9.7	
	9	---	---	---	10.9	8.4	9.5	
	10	---	---	---	9.0	7.0	8.1	
	11	---	---	---	8.8	6.5	7.5	
	12	---	---	---	8.7	6.5	7.5	
	13	---	---	---	9.0	7.3	8.0	
	14	---	---	---	9.9	7.0	8.2	
	15	---	---	---	8.2	7.3	7.7	
	16	---	---	---	9.0	7.1	7.7	
	17	---	---	---	10.1	6.7	8.2	
	18	---	---	---	9.9	7.8	8.8	
	19	---	---	---	12.1	8.4	10.1	
	20	---	---	---	13.3	9.9	11.5	
	21	---	---	---	13.3	11.2	12.1	
	22	---	---	---	12.9	10.7	11.7	
	23	---	---	---	12.4	10.1	11.1	
	24	---	---	---	12.4	9.8	10.9	
	25	---	---	---	11.8	9.8	10.6	
	26	---	---	---	11.5	9.8	10.5	
	27	---	---	---	11.3	9.9	10.5	
	28	---	---	---	11.3	9.6	10.4	
	29	---	---	---	10.1	8.7	9.6	
	30	---	---	---	8.7	7.3	8.1	
	31	---	---	---	7.3	6.7	7.0	
	MONTH	---	---	---	13.3	5.1	8.9	

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	8.8	6.5	7.7	13.8	11.5	12.5	19.8	16.3	18.0	16.8	13.8	15.2
2	10.2	8.8	9.5	13.9	11.8	12.8	20.0	16.8	18.2	16.0	14.1	14.9
3	9.6	8.5	8.8	14.6	12.1	13.3	19.8	17.1	18.3	15.5	13.3	14.4
4	9.8	8.4	9.0	15.2	13.3	14.1	19.2	17.3	18.1	15.4	13.0	14.0
5	10.5	8.8	9.7	14.9	12.9	13.8	19.4	16.5	17.9	15.4	12.4	13.8
6	9.8	8.4	9.2	14.9	12.4	13.7	19.5	16.8	18.0	15.2	12.4	13.6
7	9.0	8.2	8.6	15.5	13.6	14.5	19.2	16.5	17.7	15.0	11.9	13.4
8	9.5	8.2	8.7	15.0	13.5	14.1	19.5	16.3	17.8	15.2	11.9	13.5
9	9.3	7.8	8.5	15.0	12.7	13.9	19.8	16.1	17.8	15.0	12.1	13.6
10	10.4	8.4	9.5	15.7	13.0	14.4	19.5	16.5	17.9	14.6	12.4	13.4
11	11.3	9.1	10.2	16.3	13.6	15.0	18.2	16.6	17.2	14.9	12.1	13.4
12	12.6	9.9	11.3	16.9	14.3	15.5	18.2	16.0	16.8	14.4	11.5	13.0
13	13.3	11.2	12.2	17.3	14.7	15.9	17.7	15.2	16.3	14.4	11.3	12.9
14	13.8	11.8	12.7	16.9	15.0	15.9	17.9	14.7	16.3	14.4	11.5	12.9
15	13.6	12.2	12.8	16.3	13.9	15.2	17.7	15.2	16.2	14.6	11.5	13.1
16	13.5	11.9	12.6	15.4	13.0	14.1	18.2	14.6	16.3	14.7	11.6	13.2
17	13.5	12.1	12.6	14.7	13.5	14.0	18.5	14.7	16.7	14.9	11.9	13.4
18	12.7	11.6	12.2	15.5	13.0	14.1	18.9	15.0	16.9	15.0	12.2	13.6
19	13.5	11.6	12.6	16.9	13.8	15.3	18.2	15.8	16.8	15.0	12.2	13.6
20	13.2	11.5	12.3	17.1	14.9	16.0	19.0	15.5	17.2	14.9	12.1	13.5
21	14.6	12.2	13.4	17.6	14.7	15.9	19.7	16.5	17.9	14.7	11.8	13.3
22	14.1	12.2	13.3	18.5	14.9	16.6	19.7	16.3	17.9	14.6	11.8	13.2
23	13.2	12.1	12.5	19.0	15.5	17.2	20.0	16.3	18.1	14.6	11.6	13.1
24	14.3	12.2	13.2	19.0	16.1	17.4	19.4	16.8	18.0	13.8	12.1	12.9
25	14.7	12.9	13.7	19.0	15.8	17.3	19.5	16.3	17.9	12.7	10.9	11.7
26	13.3	11.2	12.6	19.4	15.8	17.4	19.7	16.0	17.9	11.8	9.9	10.9
27	12.6	10.9	11.6	19.7	16.0	17.7	18.2	16.3	17.4	10.7	9.0	9.9
28	13.0	10.7	11.9	20.0	16.6	18.2	19.2	16.3	17.7	10.5	7.9	9.2
29	13.8	11.6	12.7	20.5	17.7	18.8	19.2	15.8	17.5	10.1	7.3	8.7
30	13.5	12.2	12.8	20.5	17.4	18.6	17.6	15.8	16.8	9.9	7.3	8.6
31	---	---	---	19.7	16.6	18.0	16.9	14.3	15.5	---	---	---
MONTH	14.7	6.5	11.3	20.5	11.5	15.5	20.0	14.3	17.4	16.8	7.3	12.8

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977-1981, October 1989 to September 1990, November 1992 to September 1996, April to October 1999, April to September 2001 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1993 to September 1994 (discontinued).

WATER TEMPERATURE: May 1993 to September 1994, May to September 1996, May to September 1999, May to September 2001(discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 434 microsiemens/cm Sept. 23, 1993; minimum daily mean, 146 microsiemens/cm May 28, 1993.

WATER TEMPERATURE: Maximum, 22.5 °C July 24-25, 31, Aug. 1-5, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.9 °C Aug. 12.

REMARKS.--Missing data due to equipment malfunction.

WATER-QUALITY DATA, MAY TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TURBID- TEMPER- ATURE WATER (DEG C) (00010)	ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
MAY										
03...	1307	901	168	8.3	6.0	7.8	15	10.7	107	S10
14...	1839	1360	154	8.6	22.0	13.5	6.8	9.8	113	33
JUN										
11...	1320	797	219	8.6	22.6	17.3	1.6	12.1	152	S11
JUL										
23...	1442	512	211	8.8	30.6	20.7	2.3	10.0	134	S17
AUG										
06...	1350	447	212	8.7	35.4	20.2	5.1	10.1	133	33
SEP										
17...	1838	357	266	8.8	21.0	18.2	1.3	11.1	141	S6

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS HCO3 (00440)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
SEP													
17...	126	31.4	11.6	7.5	11.3	1.74	140	7	127	6.2	5.6	.7	17.6

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
MAY							
03...	.009	.20	.278	E.004	.031	17	41
14...	.005	.21	.126	<.007	.028	11	40
JUN							
11...	.011	.20	.225	<.007	.020	6	13
JUL							
23...	<.002	.20	.159	<.007	.024	3	4.1
AUG							
06...	.002	.19	.167	<.007	.010	2	2.4
SEP							
17...	.005	.16	.371	<.007	.009	1	.96

< Less than

E Estimated value

S Most probable value

HENRYS FORK BASIN

13055000 TETON RIVER NEAR ST. ANTHONY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, MAY TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	10.9	6.5	8.4
5	---	---	---	---	---	---	---	---	---	11.4	7.9	9.3
6	---	---	---	---	---	---	---	---	---	11.8	8.1	9.7
7	---	---	---	---	---	---	---	---	---	11.8	8.6	9.9
8	---	---	---	---	---	---	---	---	---	12.3	8.9	10.4
9	---	---	---	---	---	---	---	---	---	12.6	10.0	11.0
10	---	---	---	---	---	---	---	---	---	12.9	10.3	11.3
11	---	---	---	---	---	---	---	---	---	12.8	10.0	11.2
12	---	---	---	---	---	---	---	---	---	13.4	10.4	11.8
13	---	---	---	---	---	---	---	---	---	14.1	11.5	12.6
14	---	---	---	---	---	---	---	---	---	14.0	11.8	12.7
15	---	---	---	---	---	---	---	---	---	12.4	11.0	11.9
16	---	---	---	---	---	---	---	---	---	11.0	9.3	10.5
17	---	---	---	---	---	---	---	---	---	11.0	8.7	9.8
18	---	---	---	---	---	---	---	---	---	12.0	9.5	10.6
19	---	---	---	---	---	---	---	---	---	12.8	10.4	11.4
20	---	---	---	---	---	---	---	---	---	11.8	10.4	11.0
21	---	---	---	---	---	---	---	---	---	12.1	9.8	10.8
22	---	---	---	---	---	---	---	---	---	12.6	9.6	11.0
23	---	---	---	---	---	---	---	---	---	14.1	10.6	12.3
24	---	---	---	---	---	---	---	---	---	15.7	12.3	13.8
25	---	---	---	---	---	---	---	---	---	15.9	13.5	14.4
26	---	---	---	---	---	---	---	---	---	15.2	13.2	14.1
27	---	---	---	---	---	---	---	---	---	15.2	13.2	14.0
28	---	---	---	---	---	---	---	---	---	15.2	13.1	14.0
29	---	---	---	---	---	---	---	---	---	14.3	12.4	13.4
30	---	---	---	---	---	---	---	---	---	14.1	11.7	12.8
31	---	---	---	---	---	---	---	---	---	14.8	12.0	13.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.9	12.6	14.0	17.6	15.2	16.3	---	---	---	18.0	15.9	16.9
2	14.8	13.4	14.1	17.9	15.2	16.6	---	---	---	18.0	16.0	17.1
3	13.4	11.8	12.9	18.3	15.6	16.9	---	---	---	18.4	15.9	17.2
4	11.8	10.6	11.1	17.5	16.0	16.9	---	---	---	17.8	15.1	16.2
5	11.5	9.6	10.6	17.8	16.2	16.9	---	---	---	16.2	15.1	15.5
6	12.4	9.6	10.9	17.8	16.0	16.8	---	---	---	16.5	14.3	15.2
7	14.0	10.3	12.0	17.1	16.0	16.6	---	---	---	15.3	13.8	14.6
8	15.1	11.5	13.3	17.8	15.9	16.7	---	---	---	15.1	12.4	13.8
9	16.0	12.9	14.4	17.3	15.9	16.5	---	---	---	14.3	12.3	13.5
10	16.8	13.2	15.0	18.3	16.2	17.2	---	---	---	14.0	12.3	13.2
11	16.0	13.8	14.9	17.8	16.2	17.1	20.1	17.6	18.9	14.0	12.6	13.2
12	14.8	13.2	14.0	17.9	15.7	16.8	20.9	17.5	19.3	14.0	13.1	13.6
13	13.2	11.0	12.0	17.0	15.7	16.4	20.4	18.1	19.2	15.1	13.7	14.2
14	12.1	10.1	11.1	17.9	15.6	16.6	20.4	17.8	19.2	15.9	13.4	14.6
15	13.1	10.1	11.6	16.8	15.7	16.3	19.7	17.6	18.8	15.6	13.5	14.7
16	14.1	10.7	12.4	16.8	14.9	15.8	19.9	17.0	18.6	15.6	14.0	14.9
17	13.8	12.3	13.1	16.0	14.8	15.5	20.1	16.8	18.4	15.6	14.5	15.0
18	14.6	12.4	13.5	15.6	14.3	14.9	19.1	17.0	18.2	14.9	14.1	14.5
19	15.1	12.3	13.7	16.2	14.3	15.2	18.4	16.5	17.4	15.3	14.0	14.5
20	15.7	12.8	14.2	16.5	14.6	15.6	17.6	15.7	16.9	14.3	13.5	13.9
21	16.2	13.2	14.7	16.4	14.8	15.6	17.8	15.6	16.6	14.0	13.2	13.7
22	16.8	13.8	15.3	16.2	14.8	15.5	18.0	15.6	16.7	14.1	13.5	13.9
23	17.1	14.3	15.8	---	---	---	17.5	15.7	16.6	14.3	13.4	13.8
24	17.0	14.9	15.9	---	---	---	17.3	15.6	16.4	14.5	13.5	14.0
25	16.7	14.6	15.7	---	---	---	18.0	15.3	16.5	14.9	13.7	14.2
26	15.7	14.5	15.1	---	---	---	18.3	15.4	16.8	14.9	13.8	14.3
27	16.8	14.3	15.5	---	---	---	17.8	15.9	16.9	15.1	13.1	14.3
28	15.7	14.0	14.7	---	---	---	18.0	15.9	16.9	14.8	13.4	14.3
29	17.9	13.8	15.9	---	---	---	18.0	15.4	16.7	15.1	13.4	14.3
30	17.1	15.1	16.2	---	---	---	17.3	15.4	16.3	14.9	12.8	14.1
31	---	---	---	---	---	---	17.8	15.4	16.4	---	---	---
MONTH	17.9	9.6	13.8	---	---	---	---	---	---	18.4	12.3	14.6